

RAW SEQUENCE LISTING

DATE: 08/23/2001

PATENT APPLICATION: US/09/927,703

TIME: 15:16:28

Input Set : A:\0975.1005-013 SEQLIST.txt

Output Set: N:\CRF3\08162001\I927703.raw

ENTERED

4 <110> APPLICANT: Le, Junming
 5 Vilcek, Jan
 6 Daddona, Peter
 7 Ghrayeb, John
 8 Knight, David M.
 9 Siegel, Scott
 11 <120> TITLE OF INVENTION: Anti-TNF Antibodies and Peptides of
 12 Human Tumor Necrosis Factor
 15 <130> FILE REFERENCE: 0975.1005-013
 C--> 17 <140> CURRENT APPLICATION NUMBER: US/09/927,703
 C--> 17 <141> CURRENT FILING DATE: 2001-08-10
 17 <150> PRIOR APPLICATION NUMBER: U.S. 09/756,398
 18 <151> PRIOR FILING DATE: 2001-01-08
 20 <150> PRIOR APPLICATION NUMBER: U.S. 09/133,119
 21 <151> PRIOR FILING DATE: 1998-08-12
 23 <150> PRIOR APPLICATION NUMBER: U.S. 08/570,674
 24 <151> PRIOR FILING DATE: 1995-12-11
 26 <150> PRIOR APPLICATION NUMBER: U.S. 08/324,799
 27 <151> PRIOR FILING DATE: 1994-10-18
 29 <150> PRIOR APPLICATION NUMBER: U.S. 08/192,102
 30 <151> PRIOR FILING DATE: 1994-02-04
 32 <150> PRIOR APPLICATION NUMBER: U.S. 08/192,861
 33 <151> PRIOR FILING DATE: 1994-02-04
 35 <150> PRIOR APPLICATION NUMBER: U.S. 08/192,093
 36 <151> PRIOR FILING DATE: 1994-02-04
 38 <150> PRIOR APPLICATION NUMBER: U.S. 08/010,406
 39 <151> PRIOR FILING DATE: 1993-01-29
 41 <150> PRIOR APPLICATION NUMBER: U.S. 08/013,413
 42 <151> PRIOR FILING DATE: 1993-02-02
 44 <150> PRIOR APPLICATION NUMBER: U.S. 07/943,852
 45 <151> PRIOR FILING DATE: 1992-09-11
 47 <150> PRIOR APPLICATION NUMBER: U.S. 07/853,606
 48 <151> PRIOR FILING DATE: 1992-03-18
 50 <150> PRIOR APPLICATION NUMBER: U.S. 07/670,827
 51 <151> PRIOR FILING DATE: 1991-03-18
 53 <160> NUMBER OF SEQ ID NOS: 19
 55 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 57 <210> SEQ ID NO: 1
 58 <211> LENGTH: 157
 59 <212> TYPE: PRT
 60 <213> ORGANISM: Homo sapiens
 62 <400> SEQUENCE: 1
 63 Val Arg Ser Ser Ser Arg Thr Pro Ser Asp Lys Pro Val Ala His Val
 64 1 5 10 15
 65 Val Ala Asn Pro Gln Ala Glu Gly Gln Leu Gln Trp Leu Asn Arg Arg
 66 20 25 30
 67 Ala Asn Ala Leu Leu Ala Asn Gly Val Glu Leu Arg Asp Asn Gln Leu

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68          35          40          45
69 Val Val Pro Ser Glu Gly Leu Tyr Leu Ile Tyr Ser Gln Val Leu Phe
70          50          55          60
71 Lys Gly Gln Gly Cys Pro Ser Thr His Val Leu Leu Thr His Thr Ile
72 65          70          75          80
73 Ser Arg Ile Ala Val Ser Tyr Gln Thr Lys Val Asn Leu Leu Ser Ala
74          85          90          95
75 Ile Lys Ser Pro Cys Gln Arg Glu Thr Pro Glu Gly Ala Glu Ala Lys
76          100          105          110
77 Pro Trp Tyr Glu Pro Ile Tyr Leu Gly Gly Val Phe Gln Leu Glu Lys
78          115          120          125
79 Gly Asp Arg Leu Ser Ala Glu Ile Asn Arg Pro Asp Tyr Leu Asp Phe
80          130          135          140
81 Ala Glu Ser Gly Gln Val Tyr Phe Gly Ile Ile Ala Leu
82 145          150          155
85 <210> SEQ ID NO: 2
86 <211> LENGTH: 321
87 <212> TYPE: DNA
88 <213> ORGANISM: Mus Balb/c
90 <220> FEATURE:
91 <221> NAME/KEY: CDS
92 <222> LOCATION: (1)...(321)
94 <400> SEQUENCE: 2
95 gac atc ttg ctg act cag tct cca gcc atc ctg tct gtg agt cca gga 48
96 Asp Ile Leu Leu Thr Gln Ser Pro Ala Ile Leu Ser Val Ser Pro Gly
97 1          5          10          15
99 gaa aga gtc agt ttc tcc tgc agg gcc agt cag ttc gtt ggc tca agc 96
100 Glu Arg Val Ser Phe Ser Cys Arg Ala Ser Gln Phe Val Gly Ser Ser
101          20          25          30
103 atc cac tgg tat cag caa aga aca aat ggt tct cca agg ctt ctc ata 144
104 Ile His Trp Tyr Gln Gln Arg Thr Asn Gly Ser Pro Arg Leu Leu Ile
105          35          40          45
107 aag tat gct tct gag tct atg tct ggg atc cct tcc agg ttt agt ggc 192
108 Lys Tyr Ala Ser Glu Ser Met Ser Gly Ile Pro Ser Arg Phe Ser Gly
109          50          55          60
111 agt gga tca ggg aca gat ttt act ctt agc atc aac act gtg gag tct 240
112 Ser Gly Ser Gly Thr Asp Phe Thr Leu Ser Ile Asn Thr Val Glu Ser
113 65          70          75          80
115 gaa gat att gca gat tat tac tgt caa caa agt cat agc tgg cca ttc 288
116 Glu Asp Ile Ala Asp Tyr Tyr Cys Gln Gln Ser His Ser Trp Pro Phe
117          85          90          95
119 acg ttc ggc tgc ggg aca aat ttg gaa gta aaa 321
120 Thr Phe Gly Ser Gly Thr Asn Leu Glu Val Lys
121          100          105
124 <210> SEQ ID NO: 3
125 <211> LENGTH: 107
126 <212> TYPE: PRT
127 <213> ORGANISM: Mus Balb/c
129 <400> SEQUENCE: 3

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130 Asp Ile Leu Leu Thr Gln Ser Pro Ala Ile Leu Ser Val Ser Pro Gly
131 1 5 10 15
132 Glu Arg Val Ser Phe Ser Cys Arg Ala Ser Gln Phe Val Gly Ser Ser
133 20 25 30
134 Ile His Trp Tyr Gln Gln Arg Thr Asn Gly Ser Pro Arg Leu Leu Ile
135 35 40 45
136 Lys Tyr Ala Ser Glu Ser Met Ser Gly Ile Pro Ser Arg Phe Ser Gly
137 50 55 60
138 Ser Gly Ser Gly Thr Asp Phe Thr Leu Ser Ile Asn Thr Val Glu Ser
139 65 70 75 80
140 Glu Asp Ile Ala Asp Tyr Tyr Cys Gln Gln Ser His Ser Trp Pro Phe
141 85 90 95
142 Thr Phe Gly Ser Gly Thr Asn Leu Glu Val Lys
143 100 105
146 <210> SEQ ID NO: 4
147 <211> LENGTH: 357
148 <212> TYPE: DNA
149 <213> ORGANISM: Mus Balb/c
151 <220> FEATURE:
152 <221> NAME/KEY: CDS
153 <222> LOCATION: (1)...(357)
155 <400> SEQUENCE: 4
156 gaa gtg aag ctt gag gag tct gga gga ggc ttg gtg caa cct gga gga 48
157 Glu Val Lys Leu Glu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
158 1 5 10 15
160 tcc atg aaa ctc tcc tgt gtt gcc tct gga ttc att ttc agt aac cac 96
161 Ser Met Lys Leu Ser Cys Val Ala Ser Gly Phe Ile Phe Ser Asn His
162 20 25 30
164 tgg atg aac tgg gtc cgc cag tct cca gag aag ggg ctt gag tgg gtt 144
165 Trp Met Asn Trp Val Arg Gln Ser Pro Glu Lys Gly Leu Glu Trp Val
166 35 40 45
168 gct gaa att aga tca aaa tct att aat tct gca aca cat tat gcg gag 192
169 Ala Glu Ile Arg Ser Lys Ser Ile Asn Ser Ala Thr His Tyr Ala Glu
170 50 55 60
172 tct gtg aaa ggg agg ttc acc atc tca aga gat gat tcc aaa agt gct 240
173 Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Ser Ala
174 65 70 75 80
176 gtc tac ctg caa atg acc gac tta aga act gaa gac act ggc gtt tat 288
177 Val Tyr Leu Gln Met Thr Asp Leu Arg Thr Glu Asp Thr Gly Val Tyr
178 85 90 95
180 tac tgt tcc agg aat tac tac ggt agt acc tac gac tac tgg ggc caa 336
181 Tyr Cys Ser Arg Asn Tyr Tyr Gly Ser Thr Tyr Asp Tyr Trp Gly Gln
182 100 105 110
184 ggc acc act ctc aca gtc tcc 357
185 Gly Thr Thr Leu Thr Val Ser
186 115
189 <210> SEQ ID NO: 5
190 <211> LENGTH: 119
191 <212> TYPE: PRT

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192 <213> ORGANISM: Mus Balb/c
194 <400> SEQUENCE: 5
195 Glu Val Lys Leu Glu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
196 1 5 10 15
197 Ser Met Lys Leu Ser Cys Val Ala Ser Gly Phe Ile Phe Ser Asn His
198 20 25 30
199 Trp Met Asn Trp Val Arg Gln Ser Pro Glu Lys Gly Leu Glu Trp Val
200 35 40 45
201 Ala Glu Ile Arg Ser Lys Ser Ile Asn Ser Ala Thr His Tyr Ala Glu
202 50 55 60
203 Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Ser Ala
204 65 70 75 80
205 Val Tyr Leu Gln Met Thr Asp Leu Arg Thr Glu Asp Thr Gly Val Tyr
206 85 90 95
207 Tyr Cys Ser Arg Asn Tyr Tyr Gly Ser Thr Tyr Asp Tyr Trp Gly Gln
208 100 105 110
209 Gly Thr Thr Leu Thr Val Ser
210 115
213 <210> SEQ ID NO: 6
214 <211> LENGTH: 8
215 <212> TYPE: PRT
216 <213> ORGANISM: Homo sapiens
218 <400> SEQUENCE: 6
219 Gly Thr Leu Val Thr Val Ser Ser
220 1 5
223 <210> SEQ ID NO: 7
224 <211> LENGTH: 7
225 <212> TYPE: PRT
226 <213> ORGANISM: Homo sapiens
228 <400> SEQUENCE: 7
229 Gly Thr Lys Leu Glu Ile Lys
230 1 5
233 <210> SEQ ID NO: 8
234 <211> LENGTH: 20
235 <212> TYPE: DNA
236 <213> ORGANISM: Artificial Sequence ✓
238 <220> FEATURE:
239 <223> OTHER INFORMATION: PCR oligonucleotides ✓
242 <400> SEQUENCE: 8
243 cctggataacc tgtgaaaaga 20
245 <210> SEQ ID NO: 9
246 <211> LENGTH: 27
247 <212> TYPE: DNA
248 <213> ORGANISM: Artificial Sequence ✓
250 <220> FEATURE:
251 <223> OTHER INFORMATION: PCR oligonucleotides ✓
254 <400> SEQUENCE: 9
255 cctggtacct tagtcaccgt ctcctca 27
257 <210> SEQ ID NO: 10

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258 <211> LENGTH: 27
 259 <212> TYPE: DNA
 260 <213> ORGANISM: Artificial Sequence ✓
 262 <220> FEATURE: ✓
 263 <223> OTHER INFORMATION: PCR oligonucleotides
 266 <400> SEQUENCE: 10
 267 aatagatatc tccttcaaca cctgcaa 27
 269 <210> SEQ ID NO: 11
 270 <211> LENGTH: 21
 271 <212> TYPE: DNA
 272 <213> ORGANISM: Artificial Sequence ✓
 274 <220> FEATURE: ✓
 275 <223> OTHER INFORMATION: PCR oligonucleotides ✓
 278 <400> SEQUENCE: 11
 279 atcgggacaa agttggaaat a 21
 281 <210> SEQ ID NO: 12
 282 <211> LENGTH: 16
 283 <212> TYPE: DNA
 284 <213> ORGANISM: Artificial Sequence ✓
 286 <220> FEATURE:
 287 <223> OTHER INFORMATION: PCR oligonucleotides ✓
 290 <400> SEQUENCE: 12
 291 ggcggtcttg taccgg 16
 293 <210> SEQ ID NO: 13
 294 <211> LENGTH: 19
 295 <212> TYPE: DNA
 296 <213> ORGANISM: Artificial Sequence ✓
 298 <220> FEATURE:
 299 <223> OTHER INFORMATION: PCR oligonucleotides ✓
 302 <400> SEQUENCE: 13
 303 gtcaacaaca tagtcatca 19
 305 <210> SEQ ID NO: 14
 306 <211> LENGTH: 23
 307 <212> TYPE: DNA ✓
 308 <213> ORGANISM: Artificial Sequence ✓
 310 <220> FEATURE: ✓
 311 <223> OTHER INFORMATION: PCR oligonucleotides ✓
 314 <400> SEQUENCE: 14
 315 cacaggtgtg tccccaagga aaa 23
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 318 <211> LENGTH: 18
 319 <212> TYPE: DNA
 320 <213> ORGANISM: Artificial Sequence ✓
 322 <220> FEATURE:
 323 <223> OTHER INFORMATION: PCR oligonucleotides ✓
 327 <400> SEQUENCE: 15
 328 aatctggggt aggcacaa 18
 330 <210> SEQ ID NO: 16
 331 <211> LENGTH: 17

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/927,703

DATE: 08/23/2001

TIME: 15:16:29

Input Set : A:\0975.1005-013 SEQLIST.txt

Output Set: N:\CRF3\08162001\I927703.raw

L:17 M:270 C: Current Application Number differs, Replaced Current Application No

L:17 M:271 C: Current Filing Date differs, Replaced Current Filing Date